

S&amp;H 3/92

UNITED STATES

Docket No.:

## COMBINED DECLARATION/POWER OF ATTORNEY FOR UTILITY/DESIGN PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD AND APPARATUS FOR EXTRACTING AND EVALUATING MUTUALLY SIMILAR PORTIONS IN

ONE-DIMENSIONAL SEQUENCES IN MOLECULES AND/OR THREE-DIMENSIONAL STRUCTURE OF MOLECULES

the specification of which (check one) [X] is attached hereto [ ] was filed on \_\_\_\_\_  
as U.S. Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in §1.56. I hereby claim foreign priority benefit(s) under 35 U.S.C. §119 of any foreign application(s) for patent or inventor's certificate listed below and have the application on which priority is claimed.

Prior Foreign Application(s)

4-21012(Pat. Appln.) Japan

6/Feb./1992

(Number) (Country)

Day/Month/Year Filed

Priority Claimed

XX [ ]  
Yes No

4-331703(Pat. Appln.) Japan

11/Dec./1992

(Number) (Country)

Day/Month/Year Filed

XX [ ]  
Yes No

I hereby claim the benefit under 35 U.S.C. §120 of any U.S. application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status: patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status: patented, pending, abandoned)

## POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorneys and agent: James D. Halsey, Jr., Reg. No. 22,729; Harry John Staas, 22,010; David M. Pitcher, 25,908; Gene W. Stockman, 21,021; John C. Garvey, 28,607; J. Randall Beckers, 30,358; James H. Marsh, Jr., 24,533; Auzville Jackson, Jr., 17,306; William F. Herbert, 31,024; Richard A. Gollhofer, 31,106; Carla M. Krivak, 30,956; Matthew J. Bussan, 33,614; Daniel W. Jufferbruch, 33,122; Harold C. McGurk, IV, 34,964; Jon M. Jurgovan, 34,633; and Irah H. Donner, P35,120 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Send correspondence to: STAAS & HALSEY, 1825 K Street, N.W., Suite 816, Washington, D.C., 20006, and direct telephone calls to: (202) 872-0123

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Mayumi Tomikawa

Inventor's Signature Mayumi Tomikawa Date Feb. 3, 1993Residence Kawasaki-shi, Kanagawa, Japan

Citizenship Japanese

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Full name of second joint inventor, if any Seichi Aikawa

Second Inventor's Signature Seichi Aikawa Date Feb. 3, 1993Residence Kawasaki-shi, Kanagawa, Japan

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(Supply similar information and signature lines for third and subsequent joint inventors.)

Post Office Address

Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* and *Agaricus bisporus* spores. The concentration of the spores was 10<sup>6</sup> spores/ml (A), 10<sup>7</sup> spores/ml (B), 10<sup>8</sup> spores/ml (C), 10<sup>9</sup> spores/ml (D), 10<sup>10</sup> spores/ml (E), 10<sup>11</sup> spores/ml (F), 10<sup>12</sup> spores/ml (G), 10<sup>13</sup> spores/ml (H), 10<sup>14</sup> spores/ml (I), 10<sup>15</sup> spores/ml (J), 10<sup>16</sup> spores/ml (K), 10<sup>17</sup> spores/ml (L), 10<sup>18</sup> spores/ml (M), 10<sup>19</sup> spores/ml (N), 10<sup>20</sup> spores/ml (O), 10<sup>21</sup> spores/ml (P), 10<sup>22</sup> spores/ml (Q), 10<sup>23</sup> spores/ml (R), 10<sup>24</sup> spores/ml (S), 10<sup>25</sup> spores/ml (T), 10<sup>26</sup> spores/ml (U), 10<sup>27</sup> spores/ml (V), 10<sup>28</sup> spores/ml (W), 10<sup>29</sup> spores/ml (X), 10<sup>30</sup> spores/ml (Y), 10<sup>31</sup> spores/ml (Z), 10<sup>32</sup> spores/ml (AA), 10<sup>33</sup> spores/ml (AB), 10<sup>34</sup> spores/ml (AC), 10<sup>35</sup> spores/ml (AD), 10<sup>36</sup> spores/ml (AE), 10<sup>37</sup> spores/ml (AF), 10<sup>38</sup> spores/ml (AG), 10<sup>39</sup> spores/ml (AH), 10<sup>40</sup> spores/ml (AI), 10<sup>41</sup> spores/ml (AJ), 10<sup>42</sup> spores/ml (AK), 10<sup>43</sup> spores/ml (AL), 10<sup>44</sup> spores/ml (AM), 10<sup>45</sup> spores/ml (AN), 10<sup>46</sup> spores/ml (AO), 10<sup>47</sup> spores/ml (AP), 10<sup>48</sup> spores/ml (AQ), 10<sup>49</sup> spores/ml (AR), 10<sup>50</sup> spores/ml (AS), 10<sup>51</sup> spores/ml (AT), 10<sup>52</sup> spores/ml (AU), 10<sup>53</sup> spores/ml (AV), 10<sup>54</sup> spores/ml (AW), 10<sup>55</sup> spores/ml (AX), 10<sup>56</sup> spores/ml (AY), 10<sup>57</sup> spores/ml (AZ), 10<sup>58</sup> spores/ml (BA), 10<sup>59</sup> spores/ml (BB), 10<sup>60</sup> spores/ml (BC), 10<sup>61</sup> spores/ml (BD), 10<sup>62</sup> spores/ml (BE), 10<sup>63</sup> spores/ml (BF), 10<sup>64</sup> spores/ml (BG), 10<sup>65</sup> spores/ml (BH), 10<sup>66</sup> spores/ml (BI), 10<sup>67</sup> spores/ml (BJ), 10<sup>68</sup> spores/ml (BK), 10<sup>69</sup> spores/ml (BL), 10<sup>70</sup> spores/ml (BM), 10<sup>71</sup> spores/ml (BN), 10<sup>72</sup> spores/ml (BO), 10<sup>73</sup> spores/ml (BP), 10<sup>74</sup> spores/ml (BQ), 10<sup>75</sup> spores/ml (BR), 10<sup>76</sup> spores/ml (BS), 10<sup>77</sup> spores/ml (BT), 10<sup>78</sup> spores/ml (BU), 10<sup>79</sup> spores/ml (BV), 10<sup>80</sup> spores/ml (BW), 10<sup>81</sup> spores/ml (BX), 10<sup>82</sup> spores/ml (BY), 10<sup>83</sup> spores/ml (BZ), 10<sup>84</sup> spores/ml (CA), 10<sup>85</sup> spores/ml (CB), 10<sup>86</sup> spores/ml (CC), 10<sup>87</sup> spores/ml (CD), 10<sup>88</sup> spores/ml (CE), 10<sup>89</sup> spores/ml (CF), 10<sup>90</sup> spores/ml (CG), 10<sup>91</sup> spores/ml (CH), 10<sup>92</sup> spores/ml (CI), 10<sup>93</sup> spores/ml (CJ), 10<sup>94</sup> spores/ml (CK), 10<sup>95</sup> spores/ml (CL), 10<sup>96</sup> spores/ml (CM), 10<sup>97</sup> spores/ml (CN), 10<sup>98</sup> spores/ml (CO), 10<sup>99</sup> spores/ml (CP), 10<sup>100</sup> spores/ml (CQ), 10<sup>101</sup> spores/ml (CR), 10<sup>102</sup> spores/ml (CS), 10<sup>103</sup> spores/ml (CT), 10<sup>104</sup> spores/ml (CU), 10<sup>105</sup> spores/ml (CV), 10<sup>106</sup> spores/ml (CW), 10<sup>107</sup> spores/ml (CX), 10<sup>108</sup> spores/ml (CY), 10<sup>109</sup> spores/ml (CZ), 10<sup>110</sup> spores/ml (DA), 10<sup>111</sup> spores/ml (DB), 10<sup>112</sup> spores/ml (DC), 10<sup>113</sup> spores/ml (DD), 10<sup>114</sup> spores/ml (DE), 10<sup>115</sup> spores/ml (DF), 10<sup>116</sup> spores/ml (DG), 10<sup>117</sup> spores/ml (DH), 10<sup>118</sup> spores/ml (DI), 10<sup>119</sup> spores/ml (DJ), 10<sup>120</sup> spores/ml (DK), 10<sup>121</sup> spores/ml (DL), 10<sup>122</sup> spores/ml (DM), 10<sup>123</sup> spores/ml (DN), 10<sup>124</sup> spores/ml (DO), 10<sup>125</sup> spores/ml (DP), 10<sup>126</sup> spores/ml (DQ), 10<sup>127</sup> spores/ml (DR), 10<sup>128</sup> spores/ml (DS), 10<sup>129</sup> spores/ml (DT), 10<sup>130</sup> spores/ml (DU), 10<sup>131</sup> spores/ml (DV), 10<sup>132</sup> spores/ml (DW), 10<sup>133</sup> spores/ml (DX), 10<sup>134</sup> spores/ml (DY), 10<sup>135</sup> spores/ml (DZ), 10<sup>136</sup> spores/ml (EA), 10<sup>137</sup> spores/ml (EB), 10<sup>138</sup> spores/ml (EC), 10<sup>139</sup> spores/ml (ED), 10<sup>140</sup> spores/ml (EE), 10<sup>141</sup> spores/ml (EF), 10<sup>142</sup> spores/ml (EG), 10<sup>143</sup> spores/ml (EH), 10<sup>144</sup> spores/ml (EI), 10<sup>145</sup> spores/ml (EJ), 10<sup>146</sup> spores/ml (EK), 10<sup>147</sup> spores/ml (EL), 10<sup>148</sup> spores/ml (EM), 10<sup>149</sup> spores/ml (EN), 10<sup>150</sup> spores/ml (EO), 10<sup>151</sup> spores/ml (EP), 10<sup>152</sup> spores/ml (EQ), 10<sup>153</sup> spores/ml (ER), 10<sup>154</sup> spores/ml (ES), 10<sup>155</sup> spores/ml (ET), 10<sup>156</sup> spores/ml (EU), 10<sup>157</sup> spores/ml (EV), 10<sup>158</sup> spores/ml (EW), 10<sup>159</sup> spores/ml (EX), 10<sup>160</sup> spores/ml (EY), 10<sup>161</sup> spores/ml (EZ), 10<sup>162</sup> spores/ml (FA), 10<sup>163</sup> spores/ml (FB), 10<sup>164</sup> spores/ml (FC), 10<sup>165</sup> spores/ml (FD), 10<sup>166</sup> spores/ml (FE), 10<sup>167</sup> spores/ml (FF), 10<sup>168</sup> spores/ml (FG), 10<sup>169</sup> spores/ml (FH), 10<sup>170</sup> spores/ml (FI), 10<sup>171</sup> spores/ml (FJ), 10<sup>172</sup> spores/ml (FK), 10<sup>173</sup> spores/ml (FL), 10<sup>174</sup> spores/ml (FM), 10<sup>175</sup> spores/ml (FN), 10<sup>176</sup> spores/ml (FO), 10<sup>177</sup> spores/ml (FP), 10<sup>178</sup> spores/ml (FQ), 10<sup>179</sup> spores/ml (FR), 10<sup>180</sup> spores/ml (FS), 10<sup>181</sup> spores/ml (FT), 10<sup>182</sup> spores/ml (FU), 10<sup>183</sup> spores/ml (FV), 10<sup>184</sup> spores/ml (FW), 10<sup>185</sup> spores/ml (FX), 10<sup>186</sup> spores/ml (FY), 10<sup>187</sup> spores/ml (FZ), 10<sup>188</sup> spores/ml (GA), 10<sup>189</sup> spores/ml (GB), 10<sup>190</sup> spores/ml (GC), 10<sup>191</sup> spores/ml (GD), 10<sup>192</sup> spores/ml (GE), 10<sup>193</sup> spores/ml (GF), 10<sup>194</sup> spores/ml (GG), 10<sup>195</sup> spores/ml (GH), 10<sup>196</sup> spores/ml (GI), 10<sup>197</sup> spores/ml (GJ), 10<sup>198</sup> spores/ml (GK), 10<sup>199</sup> spores/ml (GL), 10<sup>200</sup> spores/ml (GM), 10<sup>201</sup> spores/ml (GN), 10<sup>202</sup> spores/ml (GO), 10<sup>203</sup> spores/ml (GP), 10<sup>204</sup> spores/ml (GQ), 10<sup>205</sup> spores/ml (GR), 10<sup>206</sup> spores/ml (GS), 10<sup>207</sup> spores/ml (GT), 10<sup>208</sup> spores/ml (GU), 10<sup>209</sup> spores/ml (GV), 10<sup>210</sup> spores/ml (GW), 10<sup>211</sup> spores/ml (GX), 10<sup>212</sup> spores/ml (GY), 10<sup>213</sup> spores/ml (GZ), 10<sup>214</sup> spores/ml (HA), 10<sup>215</sup> spores/ml (HB), 10<sup>216</sup> spores/ml (HC), 10<sup>217</sup> spores/ml (HD), 10<sup>218</sup> spores/ml (HE), 10<sup>219</sup> spores/ml (HF), 10<sup>220</sup> spores/ml (HG), 10<sup>221</sup> spores/ml (HH), 10<sup>222</sup> spores/ml (HI), 10<sup>223</sup> spores/ml (HJ), 10<sup>224</sup> spores/ml (HK), 10<sup>225</sup> spores/ml (HL), 10<sup>226</sup> spores/ml (HM), 10<sup>227</sup> spores/ml (HN), 10<sup>228</sup> spores/ml (HO), 10<sup>229</sup> spores/ml (HP), 10<sup>230</sup> spores/ml (HQ), 10<sup>231</sup> spores/ml (HR), 10<sup>232</sup> spores/ml (HS), 10<sup>233</sup> spores/ml (HT), 10